

## **REMARKS**

In the Office Communication of April 26, 2004, the Examiner deemed the January 23, 2004 Response to the Office action mailed on September 23, 2004 to be non-responsive.

### **1. Figure 30**

The Examiner suggests providing a sequence identification number for "the Prosite sequence" as set forth in 37 CFR 1.821(a)(1) and (a)(2).

As discussed above, the "PROSITE" portion of the figure has been deleted by way of amendment.

### **2. Figure 46**

The Examiner suggests providing "a separate sequence identifier" for proteins A and B shown in Figure 46.

Per the requirements of 37 CFR §1.821(c), "the sequence identifiers must begin with 1 and increase sequentially by integers". Therefore, Figure 46 has been amended to identify protein A by "SEQ ID NO:20" and protein B by "SEQ ID NO:21".

Further to such amendment to Figure 46, the sequence listing has been amended to reflect the identification of proteins A and B as discussed herein.

### **3. Requirement under 37 CFR § 1.121(d)**

According to the Examiner's suggestion during the telephone call on August 24, 2004, the Applicant hereby provides an interpretation of the requirement of replacement sheets under 37 CFR § 1.121(d). It is the Applicant's understanding of 37 CFR § 1.121(d) that replacement sheets are to be provided for any amended drawings. Further, replacement sheets are to be provided for any unamended drawings that appear on the same sheet as the amended drawings. Otherwise replacement sheets are not required for any unamended drawings appearing on sheets separate from any amended drawings. Since Figures 1-9, 13-22, 24, 27-28, 31-37, and 40-45 were not included on sheets with amended Figures, no such replacement sheets for Figures 1-9, 13-22, 24, 27-28, 31-37, and 40-45 were included. Withdrawal of these objections is respectfully requested.

## **Sequence Listing**

In the Office communication mailed on April 26, 2004, the Examiner required that a Sequence Listing be filed. A Sequence Listing in accordance with the requirements of 37

C.F.R. 1.821-1.825 is included herewith, corresponding to the above-mentioned amendments to Figures 30 and 46.

Included herewith are:

- (A) A paper copy of a Sequence Listing entitled "sequence3.ST25";
- (B) A computer-readable form of the Sequence Listing entitled "sequence3.ST25" submitted in accordance with the requirements of 37 C.F.R. 1.824;
- (C) Statements Regarding Sequence Listings;
- (D) Replacement sheets for Figures 30 and 46 as discussed herein above.

Entry of (A) - (D), above, and advancement of the subject application to examination are respectfully requested.

If any further fees are required in connection with the filing of this paper, please charge our Deposit Account No. 19-3935.

Respectfully submitted,

STAAS & HALSEY LLP

Date: Oct. 26, 2004

By: 

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**IN THE DRAWINGS:**

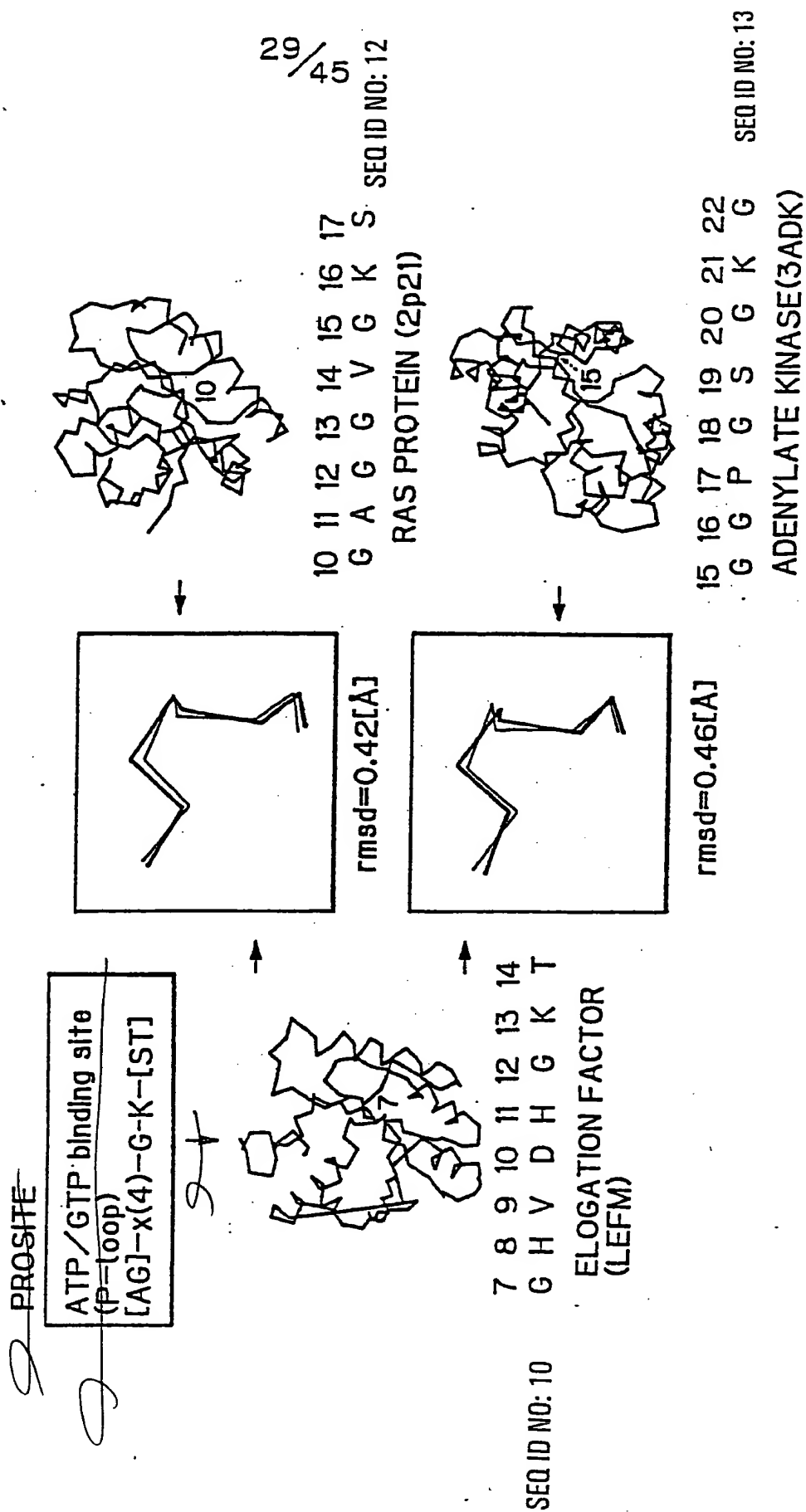
The attached drawings include changes to Figure. 46, to include sequence ID numbers identifying Protein A as "SEQ ID NO:20" and Protein B as "SEQ ID NO:21" separately thereon. Further, Figure 30 has been amended to delete the "PROSITE" portion, as shown in the attached annotated sheets.

For the convenience of the Examiner, annotated sheets showing the changes made to Figures 30 and 46 are attached. Approval of these changes to the Drawings is respectfully requested.

Further to the requirements set forth in 37 CFR 1.121(d), replacement sheets for Figures 30 and 46 are attached.



Fig. 30



$\alpha$ :  $\alpha$ -HELIX  
 $\beta$ :  $\beta$ -STRAND  
L: LOOP  
T: TURN

**SEQ ID NO: 20 A**  
SA1 ATYRLKNGDDPL SA2 SDHKLSDFG SA3 FSGKI SA4 LTRYNQAV  
 $\alpha$   $\beta$  L  $\beta$

**SEQ ID NO: 21 B**  
SB1 GDDPLDGAR SB2 SDFG SB3 FSGKIPLTRYN SB4 VQNDES SB5 GFRTKHGLDASNA  
 $\beta$  L  $\beta$   $\alpha$   $\beta$

SB6 ATYRLKN SB7 DDPLDGARE SB8 KLSD SB9 FGAHFSGKIF SB10 TRYNQAVQNDESK  
L  $\beta$  T  $\beta$   $\alpha$

SEQ ID NO: 20